

AMENDMENTS TO THE CLAIMS

1-10. (Canceled)

11. (New) A communication system comprising:

a communication terminal including a network connector, the communication terminal also including a virtual network switch that can forcibly alter the destination of data transmitted to and from a network connected via the network connector; and

a portable electronic device capable of communicating with the communication terminal, the portable electronic device including a security ensurer for ensuring communication security to and from said network using said communication terminal, wherein the communication terminal transmits data to and from said network via said virtual network switch and said security ensurer of said portable electronic device.

12. (New) A communication system according to claim 1, wherein said portable electronic device includes an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

13. (New) A communication system according to claim 2, wherein the organism recognition device is a fingerprint sensor.

14. (New) A communication system according to claim 1, wherein checking the security of said communication terminal's storage medium and applications is performed by said security ensurer of said portable electronic device via said virtual network switch.

15. (New) A communication system according to claim 4, wherein said portable electronic device includes an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

16. (New) A communication system according to claim 5, wherein the organism recognition device is a fingerprint sensor.

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17. (New) A communication system according to claim 1, wherein said security ensurer includes at least one of an encryption data transmission module, a virus removal module, and a firewall.

18. (New) A communication system according to Claim 7 wherein the encryption data transmission module is a VPN client.

19. (New) A communication system according to Claim 7, wherein said portable electronic device includes an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

20. (New) A communication system according to Claim 9, wherein the organism recognition device is a fingerprint sensor.

21. (New) A communication system according to Claim 7, wherein checking the security of said communication terminal's storage medium and applications is performed by said security ensurer of said portable electronic device via said virtual network switch.

22. (New) A communication system according to Claim 4, wherein said portable electronic device includes an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

23. (New) A communication system according to Claim 12, wherein the organism recognition device is a fingerprint sensor.

24. (New) A communication system according to Claim 1 or Claim 7, wherein said virtual network switch is a virtual IP switch incorporated into the network layer of the OSI 7-layer model in TCP/IP, the standard Internet protocol, said virtual IP switch transferring packets received from said network to a higher transport layer or to said portable

electronic device according to preset parameters, and returning packets from the portable electronic device to a higher transport layer or to said network that was the transmission source according to preset parameters.

25. (New) A communication system according to Claim 14, wherein said portable electronic device includes an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

26. (New) A communication system according to Claim 15, wherein the organism recognition device is a fingerprint sensor.

27. (New) A communication system according to Claim 14, wherein checking the security of said communication terminal's storage medium and applications is performed by said security ensurer of said portable electronic device via said virtual network switch.

28. (New) A communication system according to Claim 17, wherein said portable electronic device includes an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

29. (New) A communication system according to Claim 18, wherein the organism recognition device is a fingerprint sensor.

30. (New) A communication terminal comprising a network connector and a virtual network switch that can forcibly alter the destination of data transmitted to and from a network connected via the network connector.

31. (New) A communication terminal as claimed in Claim 20, wherein said virtual network switch is a virtual IP switch incorporated into the network layer of the OSI 7-layer model in TCP/IP, the standard Internet protocol, the virtual IP switch transferring packets received from said network to a higher transport layer or to a portable electronic device according to preset parameters, and returning packets from the portable electronic device to a higher transport layer or to said network that was the transmission source according to preset parameters.

32. (New) A portable electronic device capable of communicating with a communication terminal comprising a security ensurer for ensuring communication security to and from a network using a communication terminal, the communication terminal transmitting data to and from said network via a virtual network switch and said ensurer.

33. (New) A portable electronic device according to Claim 22 including an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

34. (New) A portable electronic device according to Claim 23 wherein said organism recognition device is a fingerprint sensor.

35. (New) A portable electronic device according to Claim 22 wherein the security of said communication terminal's storage medium and applications is checked by said security ensurer via said virtual network switch.

36. (New) A portable electronic device according to Claim 25 including an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism

recognition device against organism information stored in said organism information storage unit.

37. (New) A portable electronic device according to Claim 26 wherein said organism recognition device is a fingerprint sensor.

38. (New) A portable electronic device according to Claim 22 wherein said security ensurer includes at least one of an encryption data transmission module, a virus removal module, and a firewall.

39. (New) A portable electronic device according to Claim 28 wherein the encryption data transmission module is a VPN client.

40. (New) A portable electronic device according to Claim 28 including an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

41. (New) A portable electronic device according to Claim 30 wherein said organism recognition device is a fingerprint sensor.

42. (New) A portable electronic device according to Claim 28 wherein the security of said communication terminal's storage medium and applications is checked by said security ensurer via said virtual network switch.

43. (New) A portable electronic device according to Claim 32 including an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for permitting access to said network via said communication terminal by comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

44. (New) A portable electronic device according to Claim 33 wherein said organism recognition device is a fingerprint sensor.

45. (New) A communication system comprising:

a communication terminal comprising a network connector, the communication terminal including a security ensuring means for ensuring communication security to and from a network; and

a portable electronic device capable of communicating with the communication terminal, the portable electronic device including a communication setting information storage unit that stores and holds communication setting information needed for communication with a network via said security ensurer, an organism recognition device, an organism information storage unit in which organism information is prestored and held, and an authenticator for comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

46. (New) A communication system according to Claim 35, wherein the organism recognition device is a fingerprint sensor.

47. (New) A communication system according to Claim 35, wherein said security ensurer includes at least one of an encryption data transmission module, a virus removal module, and a firewall.

48. (New) A communication system according to Claim 37 wherein the encryption data transmission module is a VPN client.

49. (New) A communication system according to Claim 37, wherein the organism recognition device is a fingerprint sensor.

50. (New) A portable electronic device capable of communicating with a communication terminal, comprising a communication setting information storage unit that stores and holds communication setting information needed for communication with a network via a security ensurer, an organism recognition device, an organism information

storage unit in which organism information is prestored and held, and an authenticator for comparing organism information read by said organism recognition device against organism information stored in said organism information storage unit.

51. (New) A portable electronic device according to Claim 40, wherein the organism recognition device is a fingerprint sensor.

52. (New) A portable electronic device according to Claim 41, wherein said security ensurer includes at least one of an encryption data transmission module, a virus removal module, and a firewall.

53. (New) A portable electronic device according to Claim 42 wherein the encryption data transmission module is a VPN client.

54. (New) A portable electronic device according to Claim 40, wherein said security ensurer includes at least one of an encryption data transmission module, a virus removal module, and a firewall.

55. (New) A portable electronic device according to Claim 44 wherein the encryption data transmission module is a VPN client.